

ON A LUNAR VAPOUR BOW.

To the Editors of the *Annals of Natural History*.

Sandwick Manse, 16th May, 1855.

GENTLEMEN,—On the 28th April, at 11 P.M., and for an hour or two afterwards at least, we had dense ground vapour; and as the moon was nearly full, and giving good light, a beautiful phænomenon was very bright and striking, which I do not recollect to have seen described, though I have on several occasions seen it here before, and which, for want of a better name, I must call a lunar vapour bow, or rather circle. It is formed on the opposite side to the moon, and forms a complete circle, which comes to the very feet of the spectator, with his shadow in the middle of it.

I am, yours very truly,
CHARLES CLOUSTON.

METEOROLOGICAL OBSERVATIONS FOR APRIL 1855.

Chiswick.—April 1. Clear and frosty: overcast. 2. Frosty and foggy: fine. 3. Cloudy: rain. 4. Cloudy and cold: clear and frosty. 5. Slight haze: very fine. 6. Fine. 7. Overcast: very fine. 8. Cloudy and cold: slight rain. 9. Cloudy. 10. Boisterous. 11. Cloudy and boisterous: rain at night. 12. Clear: very fine. 13. Overcast: slight rain: cloudy: fine. 14. Foggy: fine. 15. Overcast. 16. Foggy: cloudless and exceedingly fine. 17. Fine: clear. 18. Fine. 19. Slight haze: fine. 20, 21. Very fine: nights frosty. 22. Cold dry easterly wind. 23. Fine: sharp frost at night. 24. Clear and dry: overcast. 25. Densely overcast: cloudy and cold. 26. Overcast and cold: fine: overcast. 27. Dry haze: fine. 28. Hazy: fine: overcast. 29. Cloudy and cold. 30. Uniformly overcast: cloudy at night.

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| Mean temperature of the month | 46°·08 |
| Mean temperature of April 1854 | 47·53 |
| Mean temperature of April for the last twenty-nine years ... | 47·17 |
| Average amount of rain in April | 1·59 inch. |

Boston.—April 1. Fine. 2. Cloudy. 3. Cloudy: rain P.M. 4. Cloudy. 5—7. Fine. 8. Cloudy: rain A.M. and P.M. 9. Rain: rain A.M.: stormy. 10. Fine: stormy. 11. Cloudy: rain P.M. 12. Fine. 13. Cloudy. 14. Fine. 15. Cloudy. 16—20. Fine. 21, 22. Cloudy. 23, 24. Fine. 25—30. Cloudy.

Sandwick Manse, Orkney.—April 1. Clear A.M. and P.M. 2. Bright A.M.: hazy P.M. 3. Bright A.M.: clear P.M. 4. Clear A.M.: cloudy P.M. 5. Bright A.M.: drops P.M. 6. Rain A.M.: clear, aurora P.M. 7. Showers A.M.: sleet-showers P.M. 8. Snow-showers A.M. and P.M. 9. Rain A.M.: showers P.M. 10. Showers A.M.: rain, clear P.M. 11. Cloudy A.M. and P.M. 12. Rain A.M.: clear, aurora P.M. 13. Bright, solar halo, A.M.: rain, aurora, P.M. 14, 15. Bright A.M.: rain P.M. 16. Sleet-showers A.M.: showers P.M. 17. Cloudy A.M.: cloudy, aurora P.M. 18. Rain A.M.: cloudy P.M. 19. Rain, bright A.M.: showers P.M. 20. Hail-showers A.M.: cloudy P.M. 21. Bright A.M.: clear, fine P.M. 22. Clear A.M.: clear, fine P.M. 23. Bright A.M.: cloudy P.M. 24. Hazy A.M.: cloudy P.M. 25. Damp A.M.: cloudy P.M. 26. Cloudy A.M.: clear P.M. 27. Cloudy A.M.: clear, fine P.M. 28. Bright A.M.: clear, fine, aurora P.M. 29. Clear A.M.: clear, fine P.M. 30. Clear A.M.: damp P.M.

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| Mean temperature of April for twenty-eight previous years . | 43°·48 |
| Mean temperature of this month | 43·20 |
| Mean temperature of April 1854 | 44·68 |
| Average quantity of rain in April for fourteen previous years | 1·83 inch. |